

COGENERATION IN CANADA

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COGENERATION IN CANADA

Overview (Canada/Ontario)

Electricity Market Restructuring in Ontario

Enbridge Consumers Gas - a utility perspective

Market Power Players Program

The future...

COGENERATION IN CANADA

Overview:

Installed Co-gen Capacity:

Canada: 3,000 MW

Ontario: 1,000 MW

Expected Additional Capacity (2000-2003):

Canada: 2000 MW

COGENERATION IN CANADA

Overview:

Co-gen Drivers

Electricity and gas prices

inherent efficiency

saves transmission and distribution costs

small scale

mitigates risk of power supply shortages

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Overview:

In Canada, Co-generation has a long way to go:

perceived as high risk:

.low electricity prices

.significant rise in gas prices

low awareness of the technology

deregulation - another uncertainty

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Deregulation (November 2000):

Decline of major power plant construction

Expected rise in electricity prices

New barriers - ie. Net vs. Gross Billing

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Enridge Consumers Gas:

One of two gas companies serving Ontario, the largest province in Canada.

1.4 million customers

2,000 large volume commercial / industrial customers

Over 12 billion m³ annual gas sendout

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Enbridge Co-generation Program:

OBJECTIVES:

More gas used more efficiently

Promote co-gen as an environmental option

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Enbridge Co-generation Program:

Market Power Players Agreements:

- .partnership with major co-gen manufacturers**
- .free co-gen pre-feasibility study**
- .provide leads to partners**
- .facilitate co-gen project development**

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Enbridge Co-generation Program:

Financial Incentives:

- .up to \$30,000 towards efficiency gains**
- .lease financing option**

Commercial high-rise co-gen pilot demonstrations

Sponsorship of industry co-gen workshops

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The Future:

- .increasing installed capacity in 1-10 MW range**
- .more B.O.O. co-gen companies**
- .greater joint efforts to promote co-gen**